

In the claims:

Please amend the claims as follows:

1. (currently amended) A seismometer comprising:

a hydrodynamically efficient shaped body containing a seismic device;
a propulsion unit located on said body, said propulsion unit comprising a plurality of fins for propelling said body through an ocean to a designated location on an ocean bottom and digging into said ocean bottom to improve coupling and vector fidelity of said seismic device to the ocean bottom; and
a control unit for directional control of said propulsion unit.

2. (currently amended) The apparatus of claim 1 further comprising:

a navigation unit for directing the control unit to a desired location on the ocean bottom and utilize said plurality of fins to fine tune an attitude of the body and seismic device with respect to a horizontal reference plane.

3. (currently amended) The apparatus of claim 1 wherein said ~~seismic device comprises~~

~~a seismic sensor~~ fins a located on the body so that they oppose each other and each fins lowers a different side of the body when digging into the ocean bottom.

4. (currently amended) The apparatus of claim 3, wherein said apparatus further

~~comprises a storage device for storing seismic data sensed by said seismic sensor. a~~
predetermined coupling and orientation maneuver with said fins.

1 5. (currently amended) The apparatus of claim 1, wherein said control unit receives
2 navigation commands and a predetermined coupling and orientation maneuver from
3 a navigation system.

1 6. (original) The apparatus of claim 5 wherein the control unit communicates an
2 identifier code to the navigation system enabling the navigation system to determine
3 location of the apparatus.

1 7. (original) The apparatus of claim 6 wherein the navigation system sends a responsive
2 directional command to the apparatus based on the current location and the desired
3 location.

1 8. (original) The apparatus of claim 1 wherein the propulsion system acts to couple the
2 apparatus to the ocean floor.

1 9. (currently amended) The apparatus of claim 1 wherein the navigation system
2 comprises a flight control system for managing a plurality of said apparatuses during
3 navigation.

1 10. (original) The apparatus of claim 9 wherein the flight control system is located on a
2 surface support vessel.

1 11. (currently amended) A method for deploying a seismometer comprising the steps for:

2 placing a hydrodynamically efficient shaped body containing a seismic device
3 into water above an ocean bottom;
4 energizing a propulsion unit located on said body to propel the seismometer
5 through the fluid;
6 digging into said ocean bottom to improve coupling and vector fidelity of said
7 seismic device to the ocean bottom; and
8 receiving a command in propulsion unit from a control unit for directional
9 control of said propulsion unit.

1 12. (currently amended) The method of claim 11 further comprising the step for:

2 receiving a command from a navigation system for directing the control unit
3 to control the propulsion unit to move a desired location on the ocean bottom;
4 and
5 fine tuning an attitude of said body and seismic device with respect to a
6 horizontal reference plane.

1 13. (currently amended) The method of claim 1 ~~wherein said seismic device comprises a~~

2 ~~seismic sensor.~~

3 further comprising moving fins located on the body so that they oppose each other
4 and so that each fin lowers a different side of the body when digging into the ocean
5 bottom.

1 14. (currently amended) The method of claim 3, wherein said method further comprises
2 the step for:

3 ~~storing seismic data sensed by said seismic sensor in a storage device on said~~
4 ~~body.~~ performing a predetermined coupling and orientation maneuver with
5 said fins.

1 15. (currently amended) The method of claim 11, further comprising the step for:

2 receiving navigation commands and a predetermined coupling and orientation
3 maneuver from a navigation system.

1 16. (original) The method of claim 15 further comprising the step for:

2 communicating an identifier code from the control unit to the navigation
3 system enabling the navigation system to determine the location of the body.

1 17. (previously amended) The method of claim 16 further comprising the step for:

2 sending a responsive directional command from the navigation system to the
3 control unit based on the current location of the body and the desired location.

1 18. (original) The method of claim 11 further comprising the step for:

2 coupling the body to the ocean floor via said propulsion system.

1 19. (original) The method of claim 11 further comprising the step for:

2 controlling the flight path for a plurality of bodies.

1 20. (original) The method of claim 19 wherein the flight control system is located on a
2 surface support vessel.